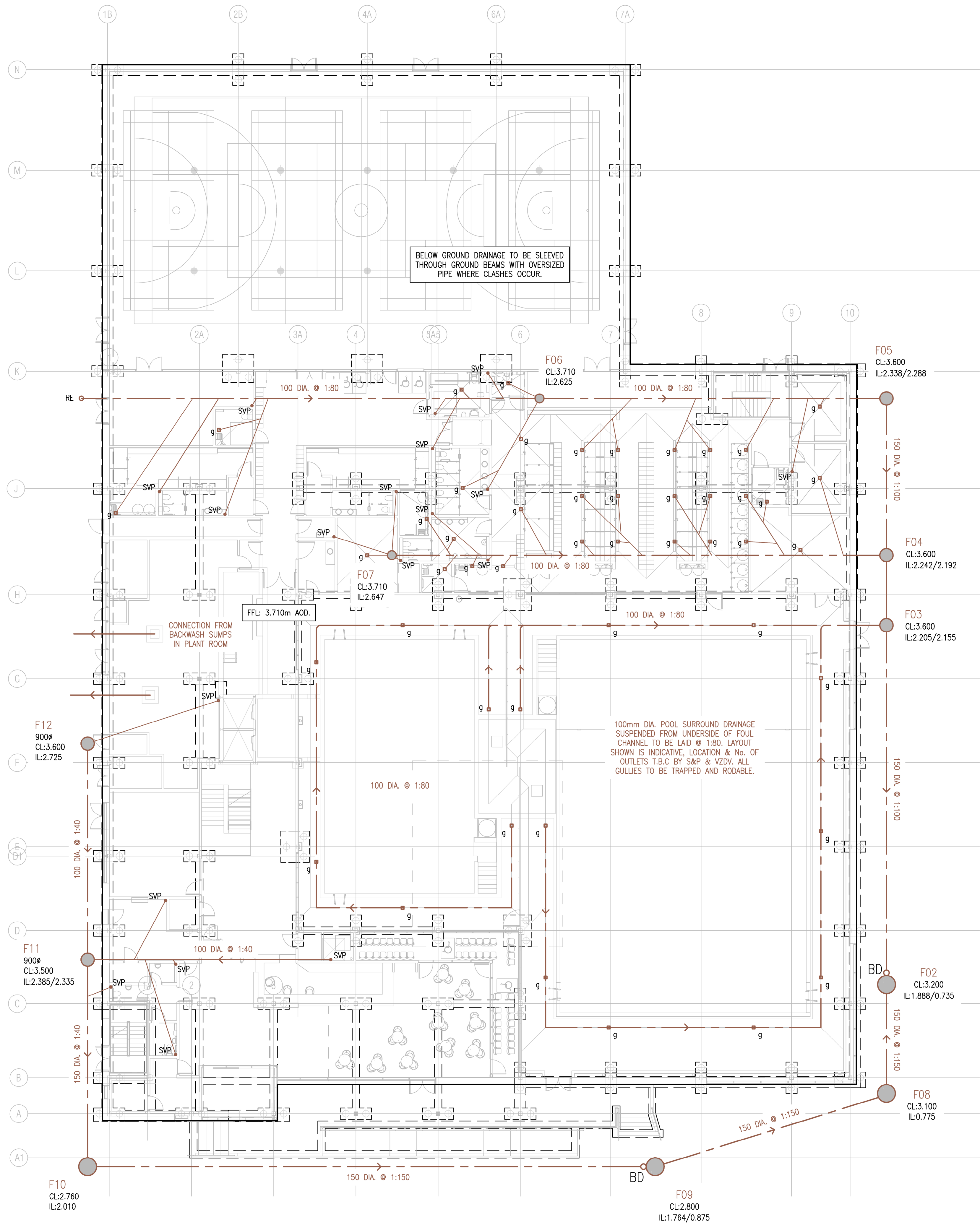


Notes

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. ALL DRAINAGE TO BE TO THE SATISFACTION OF THE LOCAL AUTHORITY BUILDING CONTROL AND MAIN DRAINAGE SECTIONS ON MATTERS INVOLVING PUBLIC SEWERS.
3. ALL ADAPTABLE PIPEWORK BENDS AND JUNCTIONS TO BE EXTRA STRENGTH VITRIFIED CLAY TO BS 65:1991, BS EN 295 OR PVCu TO BS EN 1401 UNLESS NOTED OTHERWISE.
4. INVERT LEVELS ON EXISTING DRAINS TO BE CHECKED PRIOR TO COMMENCEMENT OF WORKS.
5. TRENCH WIDTHS GENERALLY:- AS SMALL AS PRACTICABLE BUT NOT LESS THAN PIPE DIAMETER +300mm OR LARGER IF SPECIFIED. TRENCH SIDES MUST BE VERTICAL FROM BOTTOM UP TO 300mm ABOVE CROWN OF PIPE.
6. WHERE FLEXIBLE PIPES HAVE LESS THAN 1.2m OF COVER IN TRAFFICKED AREAS AND LESS THAN 600mm UNDER SOFT AREAS PIPES SHALL HAVE A FULL CONCRETE SURROUND A THICKNESS OF HALF THE PIPE DIAMETER OR 150mm, WHICHEVER IS THE GREATER. CONCRETE PROTECTION TO BE DISCONTINUED AT EACH PIPE JOINT WITH 18mm THICK COMPRESSIBLE MATERIAL.
7. GRANULAR BEDDING:
10mm SINGLE SIZED AGGREGATE SHALL BE USED ON PIPES UP TO 100mm DIAMETER.
14-mm WELL GRADED AGGREGATE MAY BE USED ON PIPES UP TO 150mm DIAMETER.
20-5mm WELL GRADED AGGREGATE MAY BE USED ON PIPES FROM 225-300mm DIAMETER.
THE DEPTH OF BEDDING UNDER THE PIPES SHALL BE Bc OR 100mm, WHICHEVER IS GREATER, WHERE Bc=EXTERNAL DIAMETER OF THE PIPE.
8. ADAPTABLE PUBLIC SEWERS TO BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION, 7th EDITION, SEPTEMBER 2012.
9. ALL PRIVATE DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH "THE BUILDING REGULATIONS APPROVED DOCUMENT H" AND BRITISH STANDARD BS EN 752.
10. THE CONTRACTOR MUST LIAISE WITH THE LOCAL AUTHORITY MAIN DRAINAGE SECTION PRIOR TO COMMENCEMENT OF WORK ON PUBLIC DRAINAGE.
11. TRENCH BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 250mm.
12. THE CONTRACTOR SHALL ALLOW IN HIS RATES FOR MAINTAINING FLOW IN PUBLIC SEWERS AT ALL TIMES DURING DIVERSION WORKS INCLUDING TEMPORARY PUMPING AND ALSO KEEPING EXCAVATIONS FREE FROM GROUNDWATER INCLUDING PUMPING AND FORMATION OF TEMPORARY SUMPS.
13. THE CONTRACTOR SHALL MAKE PROVISIONS FOR AND LIAISE WITH ALL RELEVANT STATUTORY BODIES FOR THE MANAGEMENT OF TRAFFIC WHILE CARRYING OUT WORKS IN THE PUBLIC HIGHWAY.
14. THE CONTRACTOR IS TO SATISFY HIMSELF TO THE POSITION AND AN DEPTH OF THE PUBLIC UTILITIES AND ALLOW FOR TEMPORARY SUPPORT, PROTECTION AND DIVERSION WORKS AS NECESSARY. THE CONTRACTOR SHALL ALSO INCLUDE FOR ANY TRIAL PIT EXCAVATIONS NECESSARY.

ADDITIONAL NOTES:

- ALL DRAINAGE SHOWN IS PROPOSED UNLESS NOTED AS EXISTING
- ALL EXISTING DRAINAGE RUNS ARE APPROXIMATELY TRANSLATED ONTO DRAWING FROM SUMO SERVICES UTILITY SURVEY. LOCATIONS T.B.C PRIOR TO COMMENCEMENT OF WORKS.
- ALL BRANCH FOUL DRAINS TO BE 100 DIA. UNLESS OTHERWISE NOTED.
- ALL BRANCH FOUL DRAINS TO BE LAID AT FALLS NOT LESS THAN 1:40 TO SUIT CONNECTION INTO MAIN NETWORK OR 1:80 IF AT LEAST 1 WC IS CONNECTED.
- ALL MAIN FOUL DRAINAGE TO BE 150 DIA. UNLESS NOTED OTHERWISE.
- ALL PROPOSED SURFACE WATER DRAINAGE TO BE 150 DIA. UNLESS NOTED OTHERWISE.
- ALL NEW EXTERNAL MANHOLES TO BE 1200mm DIA. PRECAST CONCRETE RINGS UNLESS OTHERWISE NOTED.
- ALL FLOW CONTROL MANHOLES TO BE 1500mm DIA. PRECAST CONCRETE RINGS UNLESS OTHERWISE NOTED.
- ALL INTERNAL MANHOLES TO BE 600mm DIA. PRECAST CONCRETE RINGS UNLESS OTHERWISE NOTED.
- MANHOLE COVER LEVELS ARE SUBJECT TO CONFIRMATION OF FINAL EXTERNAL & INTERNAL LEVELS.
- ROAD GULLY POSITIONS SHOWN ARE INDICATIVE AND SUBJECT TO CHANGE FOLLOWING CONFIRMATION OF EXTERNAL LEVELS
- ALL INTERNAL MANHOLE & INSPECTION CHAMBERS TO HAVE SCREW DOWN DOUBLE SEAL ACCESS COVERS.
- REFERENCE SHOULD BE MADE TO ARCHITECT & M&E ENGINEERS DRAWINGS FOR ABOVE GROUND DRAINAGE DETAILS & SET-OUT.



LEGEND.

- NEW BRANCH FOUL SEWER
- NEW/EXISTING MAIN FOUL SEWER
- EXISTING COMBINED SEWER
- NEW/EXISTING SURFACE WATER SEWER
- EXISTING FOUL RISING MAIN
- CONCRETE ENCASED SW SEWER (FOUL SIMILAR)
- ABANDONED SEWER GROUTED UP TO SUIT
- S.xx NEW/EXISTING SW MANHOLE
- F.xx NEW/EXISTING FOUL MANHOLE
- BD VERTICAL BACK DROP (FOUL SIMILAR)
- BACKWASH STORAGE TANK
- ACO DRAINAGE CHANNEL
- G (TRAPPED) TRAPPED ROAD/YARD GULLY
- g INTERNAL P-TRAP GULLY
- RWP RAIN WATER PIPE
- SVP SOIL VENT PIPE (RODABLE ACCESS)
- SS STUB STACK
- RE RODDING EYE

A.	10.04.17	ISSUED FOR STAGE 4A	M.H
Rev	Date	Comment	By
Drawing Status		STAGE 4A.	
This drawing may only be used for construction/manufacture if status is FOR CONSTRUCTION			
		Furness Partnership Consulting Structural/Civil Engineers ☐ London ☐ Bradford 20 Britton Street, London, EC1M 5TX The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 020 7490 4353 fax: 020 7490 4354 tel: 01274 302092 fax: 01274 741499 email: info@furnesspartnership.com email: mail@furnesspartnership.com	
Project		LITTLEHAMPTON LEISURE CENTRE SEA ROAD LITTLEHAMPTON	
Title PROPOSED INTERNAL FOUL DRIANAGE LAYOUT			
Drawn	Checked	Date	Scale (A1)
M.H	R.C	APRIL 17	1:150
Drawing No			Rev
L1953/D13			A.